LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SC-13

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF128245.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.510 | 544 | 548 | 555 | rVB | 1453478 | 1440589 | 10.00% | 2.673% |
| 2 | 5.834 | 599 | 603 | 616 | rBV | 517220 | 482060 | 3.35% | 0.894% |
| 3 | 6.522 | 716 | 720 | 732 | rBV | 1019954 | 1553470 | 10.78% | 2.882% |
| 4 | 6.686 | 745 | 748 | 750 | rBV | 332119 | 263028 | 1.83% | 0.488% |
| 5 | 6.716 | 750 | 753 | 756 | rVB | 415647 | 324970 | 2.26% | 0.603% |
| 6 | 6.881 | 778 | 781 | 784 | rBV | 443268 | 401716 | 2.79% | 0.745% |
| 7 | 7.045 | 805 | 809 | 817 | rVV | 577261 | 564536 | 3.92% | 1.047% |
| 8 | 7.451 | 873 | 878 | 881 | rBV | 1176844 | 1063081 | 7.38% | 1.972% |
| 9 | 8.063 | 979 | 982 | 990 | rBV2 | 165208 | 199081 | 1.38% | 0.369% |
| 10 | 8.169 | 997 | 1000 | 1002 | rVV | 595039 | 507616 | 3.52% | 0.942% |
| 11 | 9.245 | 1175 | 1183 | 1186 | rBV | 1963614 | 1920834 | 13.33% | 3.564% |
| 12 | 9.839 | 1281 | 1284 | 1288 | rVB2 | 200318 | 169965 | 1.18% | 0.315% |
| 13 | 9.922 | 1296 | 1298 | 1302 | rVB | 626579 | 549222 | 3.81% | 1.019% |
| 14 | 10.127 | 1330 | 1333 | 1337 | rBV | 318380 | 261714 | 1.82% | 0.486% |
| 15 | 10.339 | 1362 | 1369 | 1373 | rBV3 | 219703 | 233840 | 1.62% | 0.434% |
| 16 | 10.627 | 1415 | 1418 | 1422 | rVB | 212074 | 180998 | 1.26% | 0.336% |
| 17 | 10.716 | 1429 | 1433 | 1437 | rVB | 1235378 | 1187240 | 8.24% | 2.203% |
| 18 | 10.822 | 1447 | 1451 | 1455 | rBV2 | 692894 | 711152 | 4.94% | 1.319% |
| 19 | 11.174 | 1508 | 1511 | 1516 | rVV2 | 117407 | 172449 | 1.20% | 0.320% |
| 20 | 11.239 | 1516 | 1522 | 1524 | rVV | 2569231 | 2903297 | 20.15% | 5.387% |
| 21 | 11.269 | 1524 | 1527 | 1529 | rVV2 | 370105 | 348026 | 2.42% | 0.646% |
| 22 | 11.316 | 1533 | 1535 | 1538 | rVV | 393423 | 318512 | 2.21% | 0.591% |
| 23 | 11.474 | 1548 | 1562 | 1564 | rBV | 6840797 | 14409791 | 100.00% | 26.735% |
| 24 | 11.492 | 1564 | 1565 | 1567 | rVV | 396103 | 216800 | 1.50% | 0.402% |
| 25 | 11.533 | 1570 | 1572 | 1576 | rVB | 373652 | 285194 | 1.98% | 0.529% |
| 26 | 11.639 | 1587 | 1590 | 1591 | rBV | 185451 | 190940 | 1.33% | 0.354% |
| 27 | 11.692 | 1596 | 1599 | 1601 | rVV | 326009 | 299102 | 2.08% | 0.555% |
| 28 | 11.710 | 1601 | 1602 | 1606 | rVV2 | 305221 | 231594 | 1.61% | 0.430% |
| 29 | 11.751 | 1606 | 1609 | 1614 | rVV3 | 270613 | 280049 | 1.94% | 0.520% |
| 30 | 11.921 | 1634 | 1638 | 1640 | rBV | 931764 | 791380 | 5.49% | 1.468% |
| 31 | 11.951 | 1640 | 1643 | 1646 | rVB | 1363780 | 1086008 | 7.54% | 2.015% |
| 32 | 12.027 | 1653 | 1656 | 1658 | rBV | 303744 | 256159 | 1.78% | 0.475% |
| 33 | 12.057 | 1658 | 1661 | 1665 | rVB | 572958 | 509578 | 3.54% | 0.945% |
| 34 | 12.098 | 1665 | 1668 | 1671 | rBV | 308037 | 275604 | 1.91% | 0.511% |
| 35 | 12.216 | 1685 | 1688 | 1691 | rVV | 672424 | 623329 | 4.33% | 1.156% |
| 36 | 12.251 | 1691 | 1694 | 1697 | rVB | 1226184 | 976015 | 6.77% | 1.811% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.357 | 1708 | 1712 | 1715 | rBV2 | 187734 | 211357 | 1.47% | 0.392% |
| 38 | 12.492 | 1732 | 1735 | 1739 | rVB | 318882 | 298375 | 2.07% | 0.554% |
| 39 | 12.563 | 1744 | 1747 | 1750 | rBV | 419217 | 393776 | 2.73% | 0.731% |
| 40 | 12.651 | 1756 | 1762 | 1764 | rBV | 3515936 | 3960731 | 27.49% | 7.348% |
| 41 | 12.792 | 1784 | 1786 | 1788 | rVV2 | 164691 | 154336 | 1.07% | 0.286% |
| 42 | 12.868 | 1792 | 1799 | 1804 | rVB3 | 1391808 | 1734952 | 12.04% | 3.219% |
| 43 | 13.004 | 1818 | 1822 | 1825 | rVB | 1534916 | 1230991 | 8.54% | 2.284% |
| 44 | 13.139 | 1842 | 1845 | 1848 | rBV | 687125 | 537174 | 3.73% | 0.997% |
| 45 | 13.215 | 1855 | 1858 | 1861 | rVB | 298548 | 253291 | 1.76% | 0.470% |
| 46 | 13.498 | 1904 | 1906 | 1909 | rVB | 227861 | 194105 | 1.35% | 0.360% |
| 47 | 13.563 | 1914 | 1917 | 1921 | rVV | 308666 | 295482 | 2.05% | 0.548% |
| 48 | 13.892 | 1969 | 1973 | 1980 | rVB2 | 676204 | 718737 | 4.99% | 1.333% |
| 49 | 14.027 | 1993 | 1996 | 1998 | rBV2 | 173756 | 153232 | 1.06% | 0.284% |
| 50 | 14.062 | 1998 | 2002 | 2005 | rVV2 | 532127 | 666311 | 4.62% | 1.236% |
| 51 | 14.086 | 2005 | 2006 | 2010 | rVB | 282044 | 228818 | 1.59% | 0.425% |
| 52 | 14.204 | 2023 | 2026 | 2030 | rBV | 900601 | 831127 | 5.77% | 1.542% |
| 53 | 14.510 | 2075 | 2078 | 2081 | rVB | 943283 | 817864 | 5.68% | 1.517% |
| 54 | 14.821 | 2127 | 2131 | 2138 | rVB | 829703 | 791878 | 5.50% | 1.469% |
| 55 | 15.121 | 2177 | 2182 | 2185 | rBV | 321104 | 520253 | 3.61% | 0.965% |
| 56 | 15.168 | 2186 | 2190 | 2197 | rVB | 652973 | 829714 | 5.76% | 1.539% |
| 57 | 15.427 | 2231 | 2234 | 2241 | rVB | 208002 | 304500 | 2.11% | 0.565% |
| 58 | 15.492 | 2241 | 2245 | 2250 | rBV | 223308 | 275539 | 1.91% | 0.511% |
| 59 | 15.556 | 2251 | 2256 | 2260 | rBV2 | 685858 | 948902 | 6.59% | 1.761% |
| 60 | 15.998 | 2326 | 2331 | 2336 | rBV | 363554 | 520025 | 3.61% | 0.965% |
| 61 | 16.515 | 2414 | 2419 | 2425 | rVB | 230810 | 392451 | 2.72% | 0.728% |
| 62 | 17.121 | 2518 | 2522 | 2532 | rVB | 137417 | 278562 | 1.93% | 0.517% |
| 63 | 17.839 | 2639 | 2644 | 2652 | rVB3 | 71277 | 167824 | 1.16% | 0.311% |

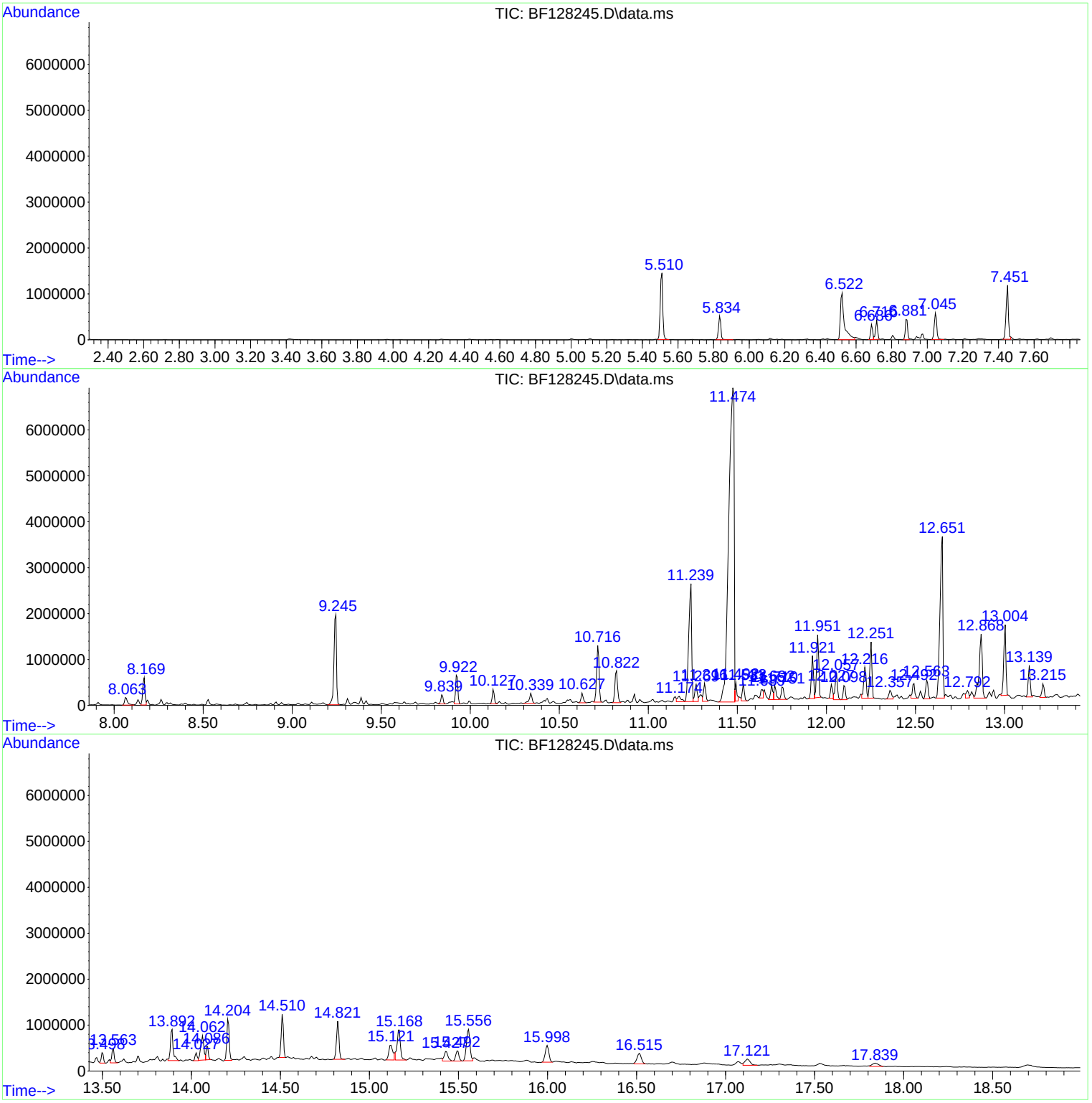
Sum of corrected areas: 53899246

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

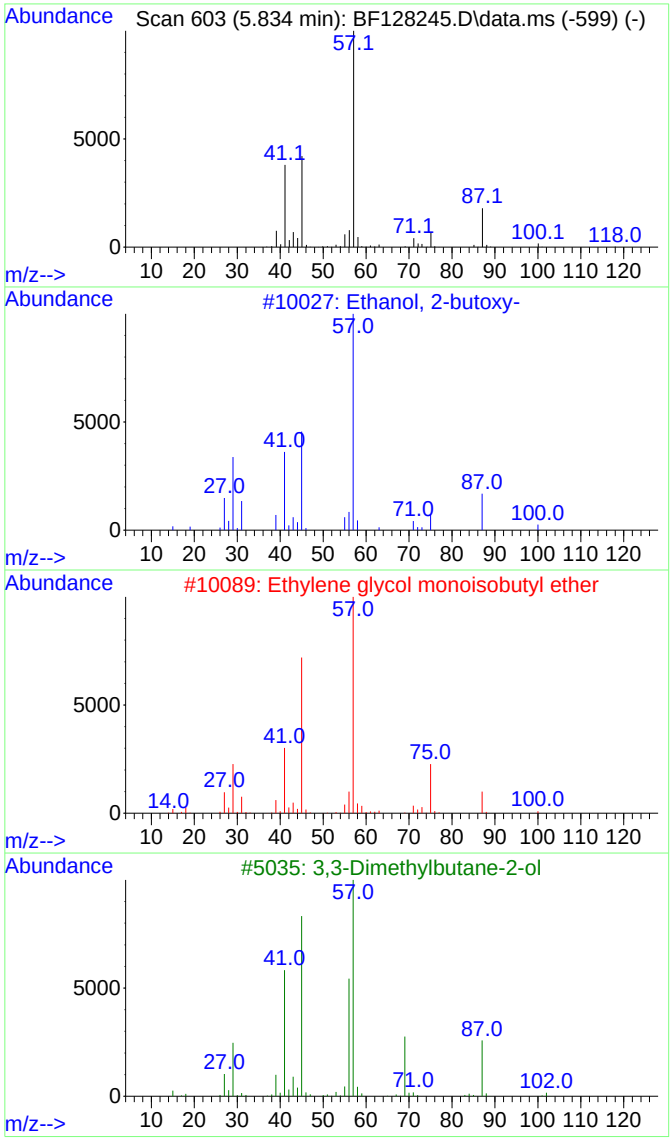
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

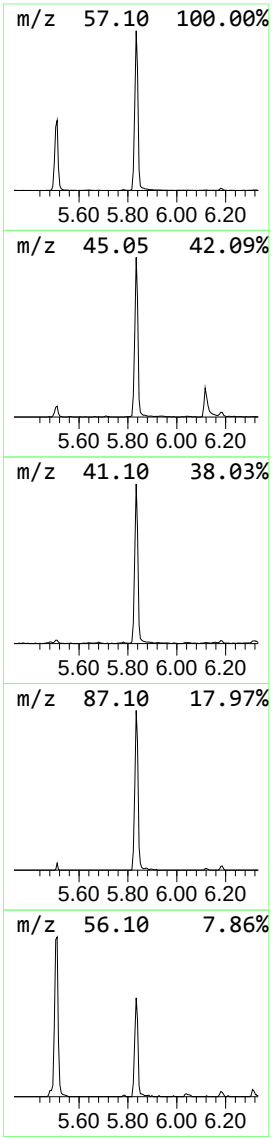
**********

Peak Number 1 Ethanol, 2-butoxy- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.834 | 24.00 ng | 482060 | 1,4-Dichlorobenzene-d4 | 6.886 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-butoxy- | 118 | C6H14O2 | 000111-76-2 | 83 |
| 2 | Ethylene glycol monoisobutyl ether | 118 | C6H14O2 | 004439-24-1 | 59 |
| 3 | 3,3-Dimethylbutane-2-ol | 102 | C6H14O | 000464-07-3 | 36 |
| 4 | Formic acid, 3,3-dimethylbut-2-y... | 130 | C7H14O2 | 1000368-20-5 | 23 |
| 5 | n-Butyl ether | 130 | C8H18O | 000142-96-1 | 16 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

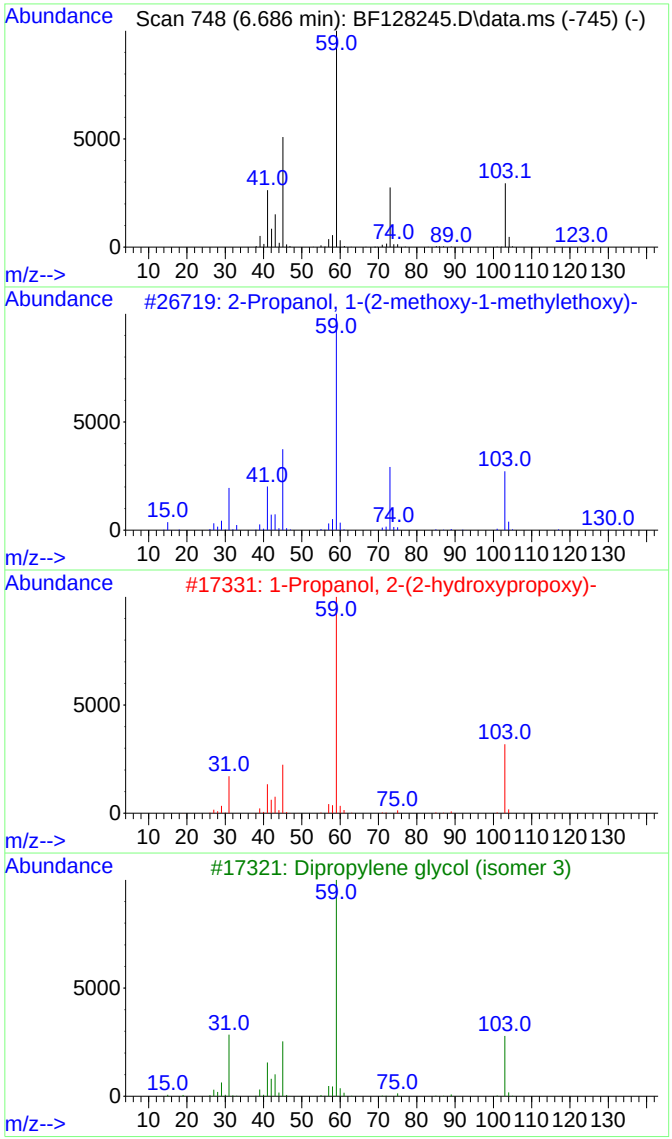
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

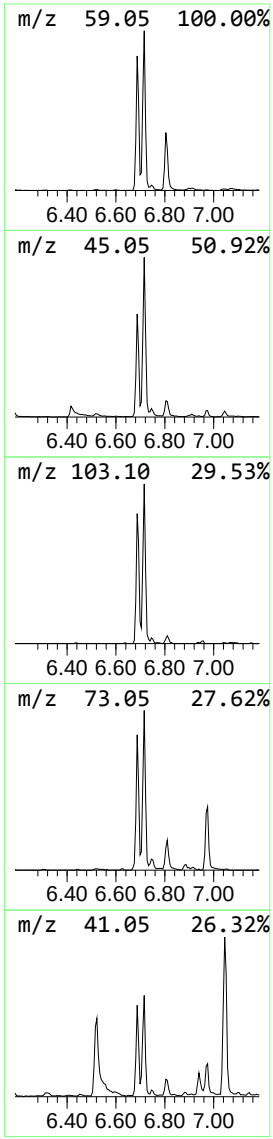
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.686 | 13.10 ng | 263028 | 1,4-Dichlorobenzene-d4 | 6.886 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanol, 1-(2-methoxy-1-methy... | 148 | C7H16O3 | 020324-32-7 | 83 |
| 2 | 1-Propanol, 2-(2-hydroxypropoxy)- | 134 | C6H14O3 | 000106-62-7 | 53 |
| 3 | Dipropylene glycol (isomer 3) | 134 | C6H14O3 | 1000506-25-5 | 50 |
| 4 | Ethane, 1-ethoxy-1-methoxy- | 104 | C5H12O2 | 010471-14-4 | 50 |
| 5 | 1-Propanol, 2,2'-oxybis- | 134 | C6H14O3 | 000108-61-2 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

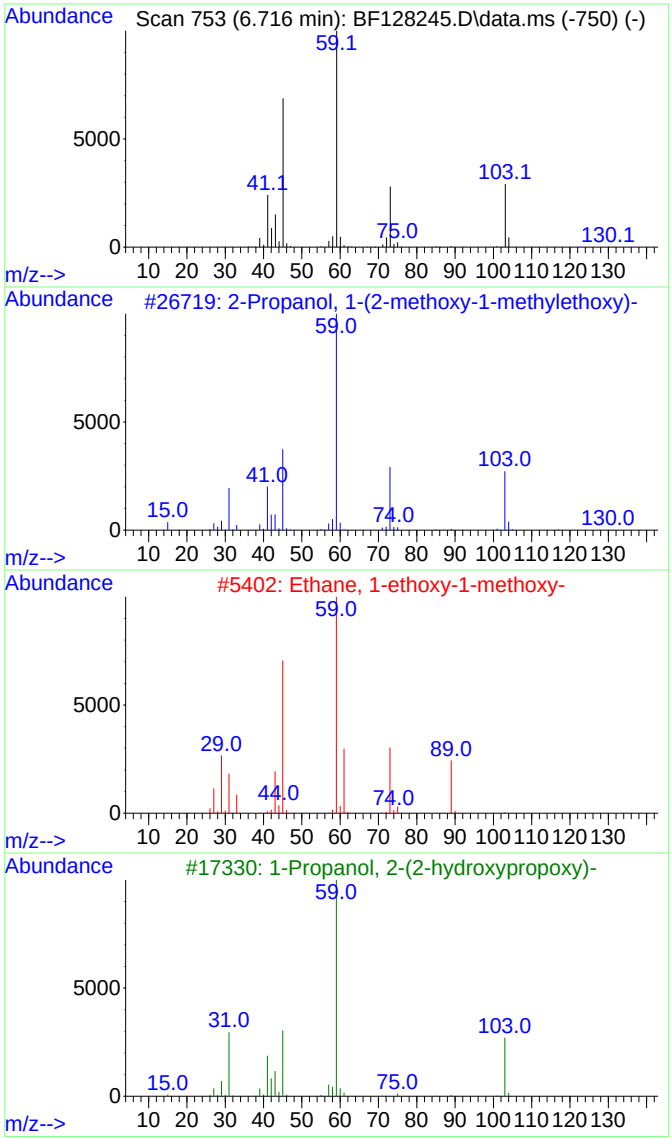
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

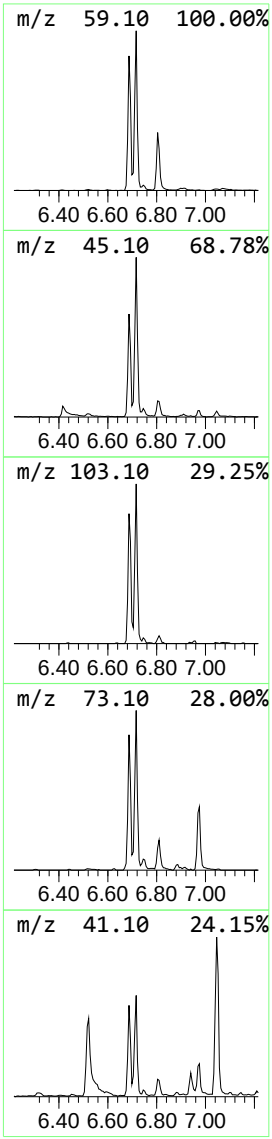
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Ethane, 1-ethoxy-1-methoxy- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.716 | 16.18 ng | 324970 | 1,4-Dichlorobenzene-d4 | 6.886 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propanol, 1-(2-methoxy-1-methy... | 148 | C7H16O3 | 020324-32-7 | 72 |
| 2 | Ethane, 1-ethoxy-1-methoxy- | 104 | C5H12O2 | 010471-14-4 | 64 |
| 3 | 1-Propanol, 2-(2-hydroxypropoxy)- | 134 | C6H14O3 | 000106-62-7 | 53 |
| 4 | Dipropylene glycol (isomer 2) | 134 | C6H14O3 | 1000506-25-4 | 42 |
| 5 | Dipropylene glycol (isomer 3) | 134 | C6H14O3 | 1000506-25-5 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

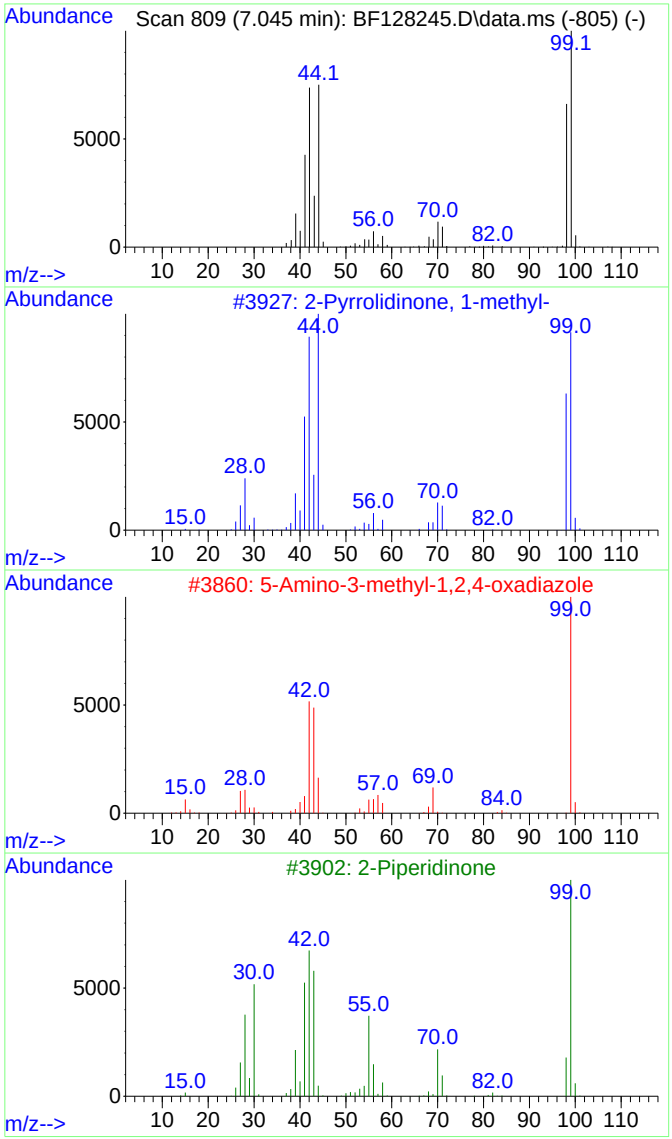
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

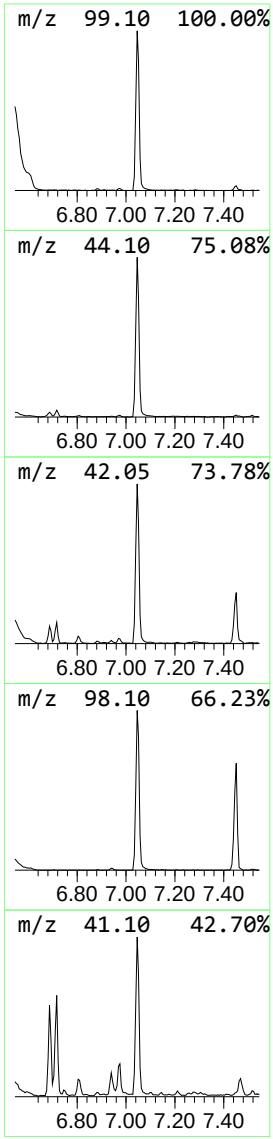
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 2-Pyrrolidinone, 1-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.045 | 28.11 ng | 564536 | 1,4-Dichlorobenzene-d4 | 6.886 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pyrrolidinone, 1-methyl- | 99 | C5H9NO | 000872-50-4 | 97 |
| 2 | 5-Amino-3-methyl-1,2,4-oxadiazole | 99 | C3H5N3O | 003663-39-6 | 43 |
| 3 | 2-Piperidinone | 99 | C5H9NO | 000675-20-7 | 38 |
| 4 | Allyl Isothiocyanate | 99 | C4H5NS | 000057-06-7 | 22 |
| 5 | 2,5-Furandione, dihydro-3-methyl- | 114 | C5H6O3 | 004100-80-5 | 14 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

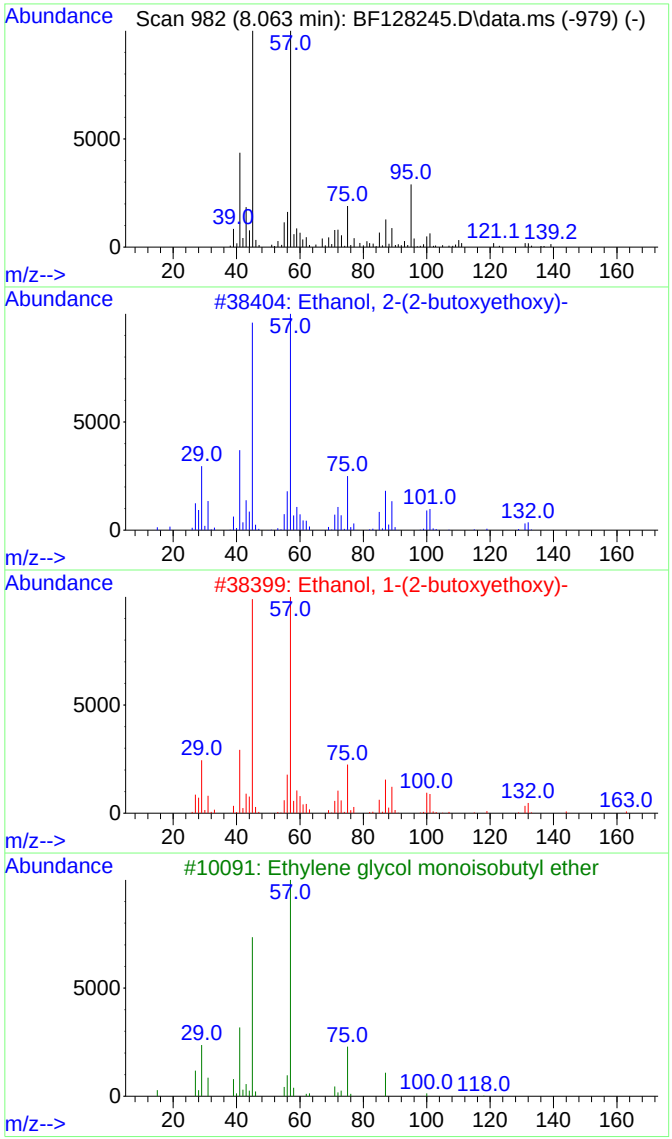
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

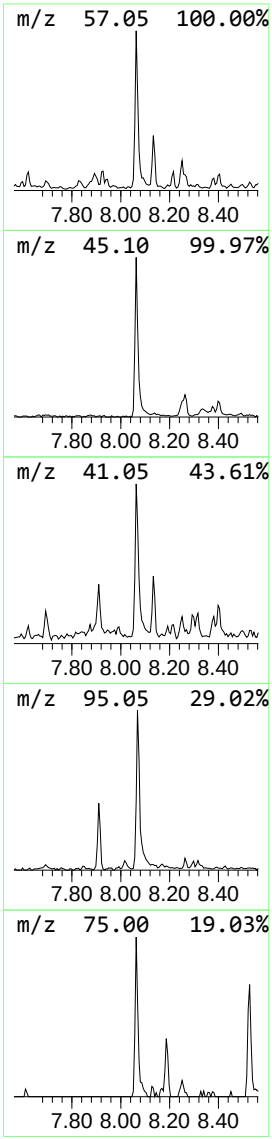
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.063 | 7.84 ng | 199081 | Naphthalene-d8 | 8.169 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 80 |
| 2 | Ethanol, 1-(2-butoxyethoxy)- | 162 | C8H18O3 | 054446-78-5 | 72 |
| 3 | Ethylene glycol monoisobutyl ether | 118 | C6H14O2 | 004439-24-1 | 59 |
| 4 | Ethanol, 2-butoxy- | 118 | C6H14O2 | 000111-76-2 | 47 |
| 5 | Methoxyacetic acid, 2-butyl ester | 146 | C7H14O3 | 070159-90-9 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

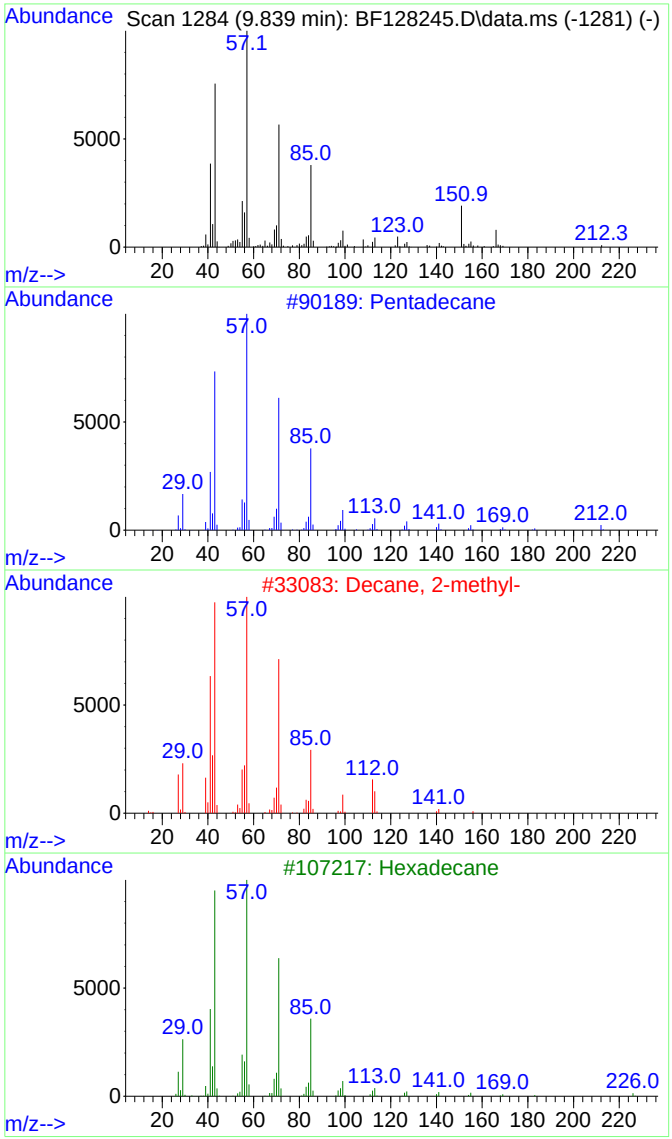
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

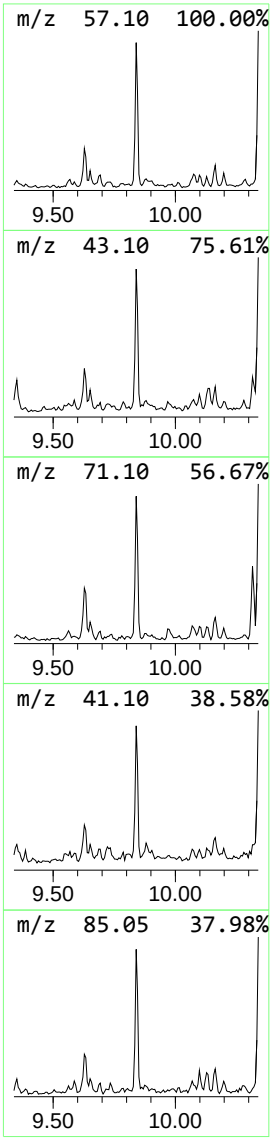
**********

Peak Number 6 Pentadecane Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.839 | 6.19 ng | 169965 | Acenaphthene-d10 | 9.922 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 70 |
| 2 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 62 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 62 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 58 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

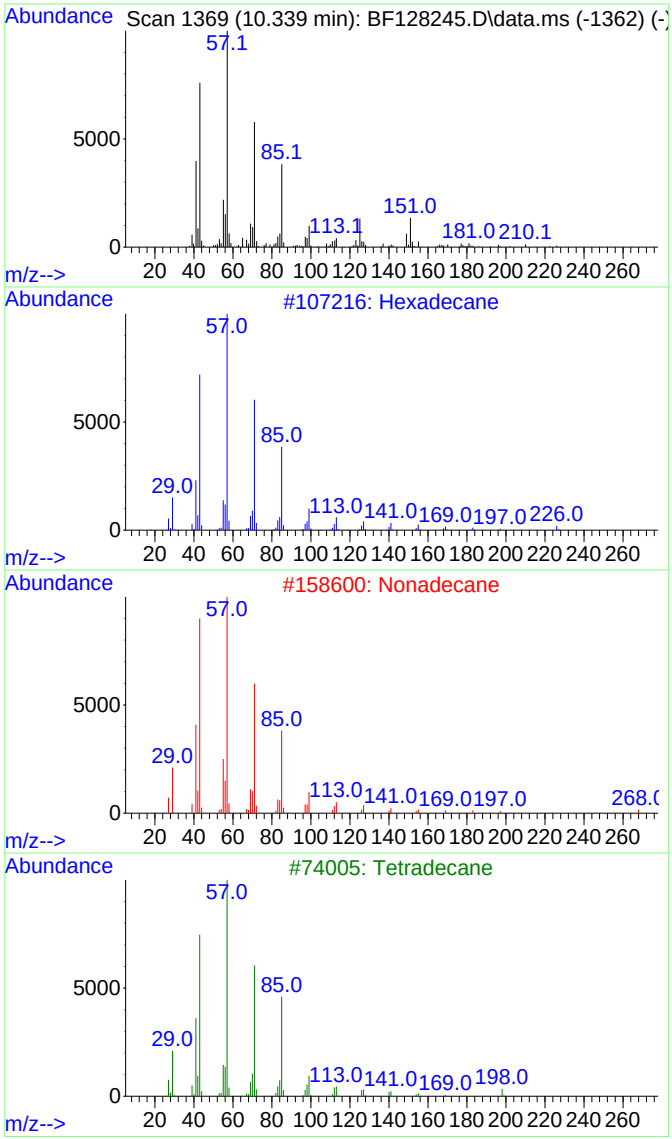
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

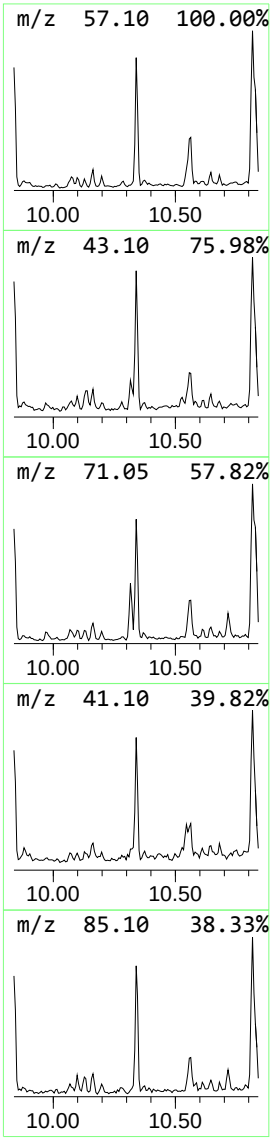
**********

Peak Number 7 Hexadecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.339 | 8.52 ng | 233840 | Acenaphthene-d10 | 9.922 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 76 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 68 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 64 |
| 4 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 64 |
| 5 | Undecane, 2-methyl- | 170 | C12H26 | 007045-71-8 | 64 |



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Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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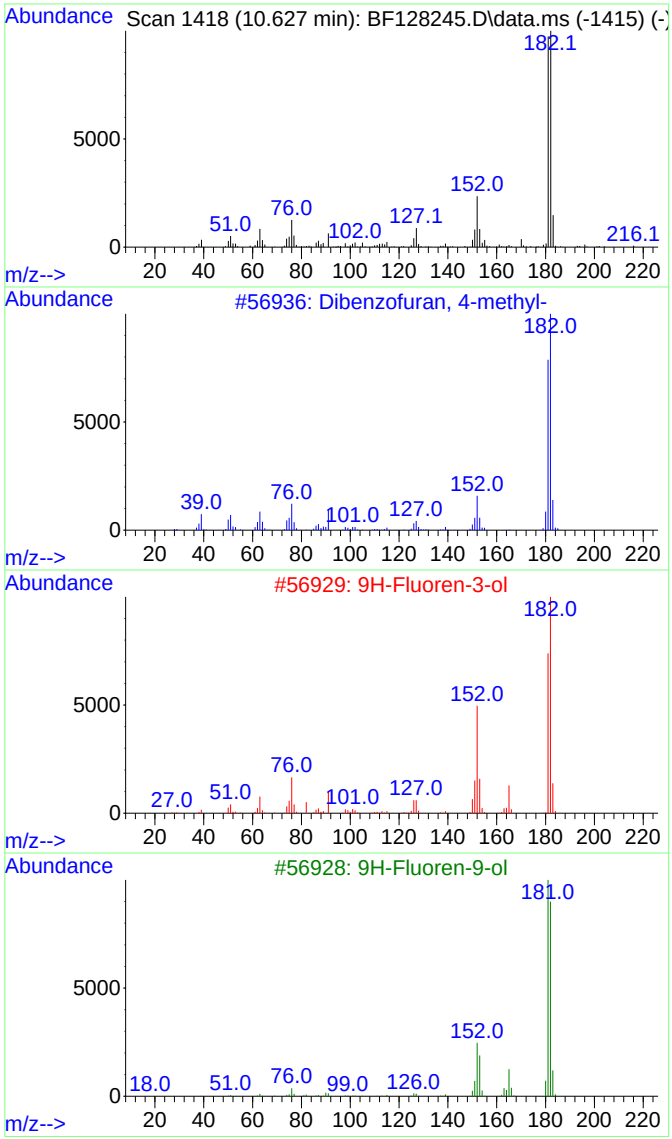
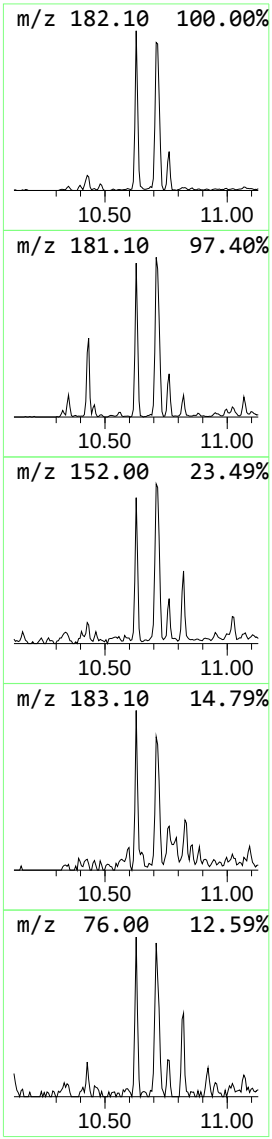
Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.627 | 6.59 ng | 180998 | Acenaphthene-d10 | 9.922 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 91 |
| 2 | 9H-Fluoren-3-ol | 182 | C13H10O | 006344-67-8 | 91 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 86 |
| 4 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 78 |
| 5 | Pyridine, 4,4'-(1,2-ethenediyl)bis- | 182 | C12H10N2 | 001135-32-6 | 72 |



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Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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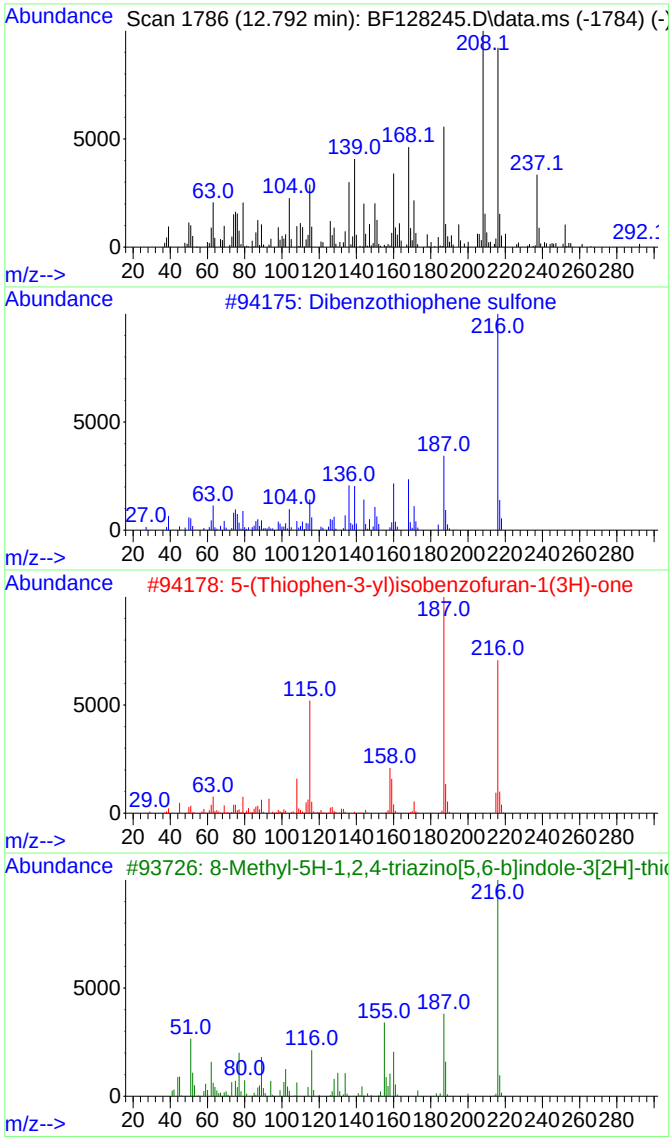
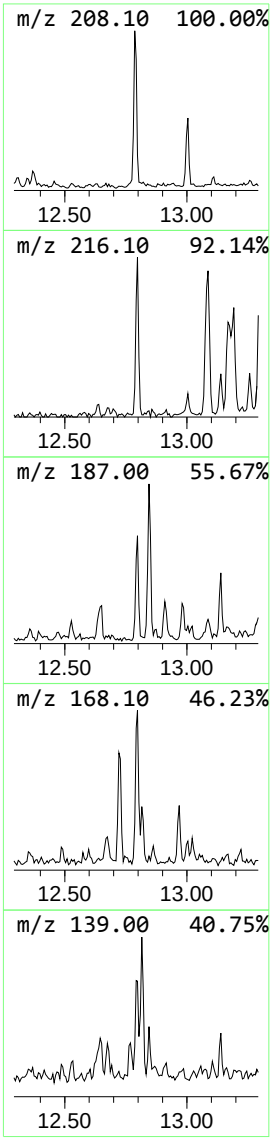
Peak Number 9 Dibenzothiophene sulfone Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.792 | 4.63 ng | 154336 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene sulfone | 216 | C12H8O2S | 001016-05-3 | 95 |
| 2 | 5-(Thiophen-3-yl)isobenzofuran-1... | 216 | C12H8O2S | 1000482-56-6 | 46 |
| 3 | 8-Methyl-5H-1,2,4-triazino[5,6-b... | 216 | C10H8N4S | 023563-21-5 | 38 |
| 4 | Phenoxathiin, 10-oxide | 216 | C12H8O2S | 000948-44-7 | 35 |
| 5 | 9,10-Dihydro-9-oxa-10-phosphaphe... | 216 | C12H9O2P | 035948-25-5 | 30 |



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Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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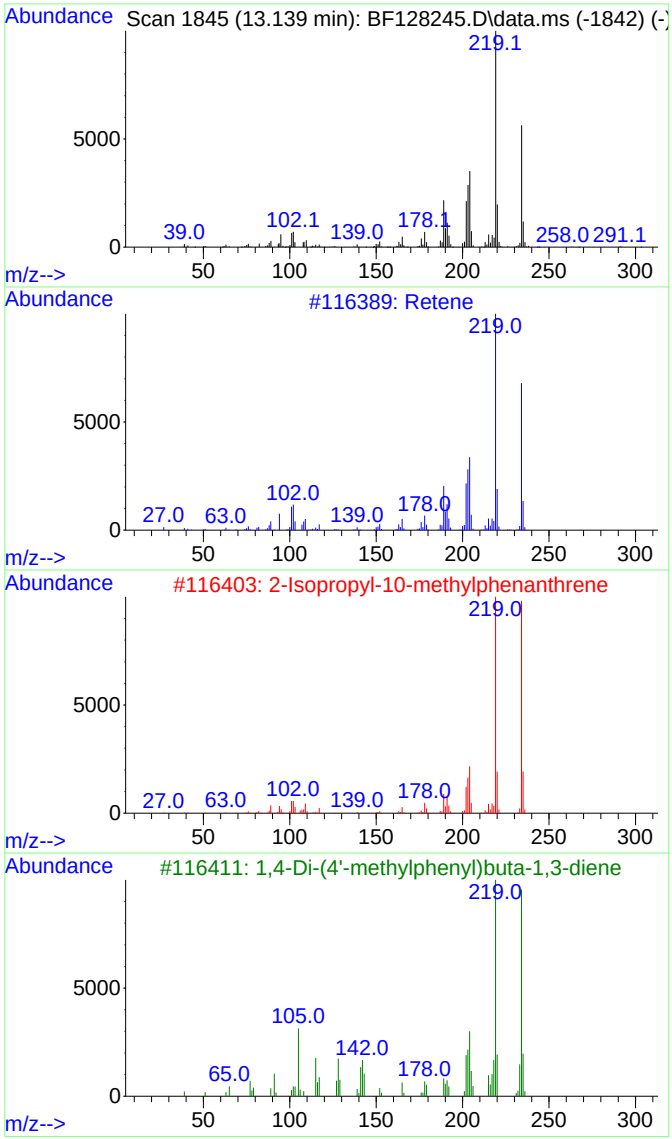
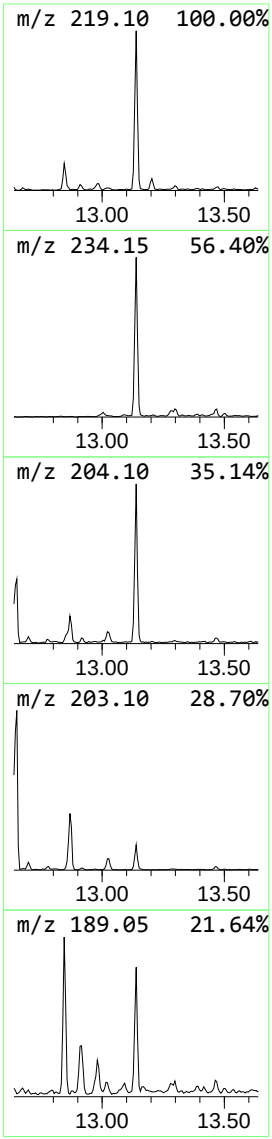
Peak Number 10 Retene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.139 | 16.12 ng | 537174 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Retene | 234 | C18H18 | 000483-65-8 | 98 |
| 2 | 2-Isopropyl-10-methylphenanthrene | 234 | C18H18 | 066552-97-4 | 94 |
| 3 | 1,4-Di-(4'-methylphenyl)buta-1,3... | 234 | C18H18 | 1000202-17-5 | 72 |
| 4 | Phenol, 2,6-bis(1,1-dimethylethy... | 234 | C16H26O | 004130-42-1 | 49 |
| 5 | 4-(1H-Inden-1-ylidenemethyl)phen... | 219 | C16H13N | 000487-61-6 | 49 |



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Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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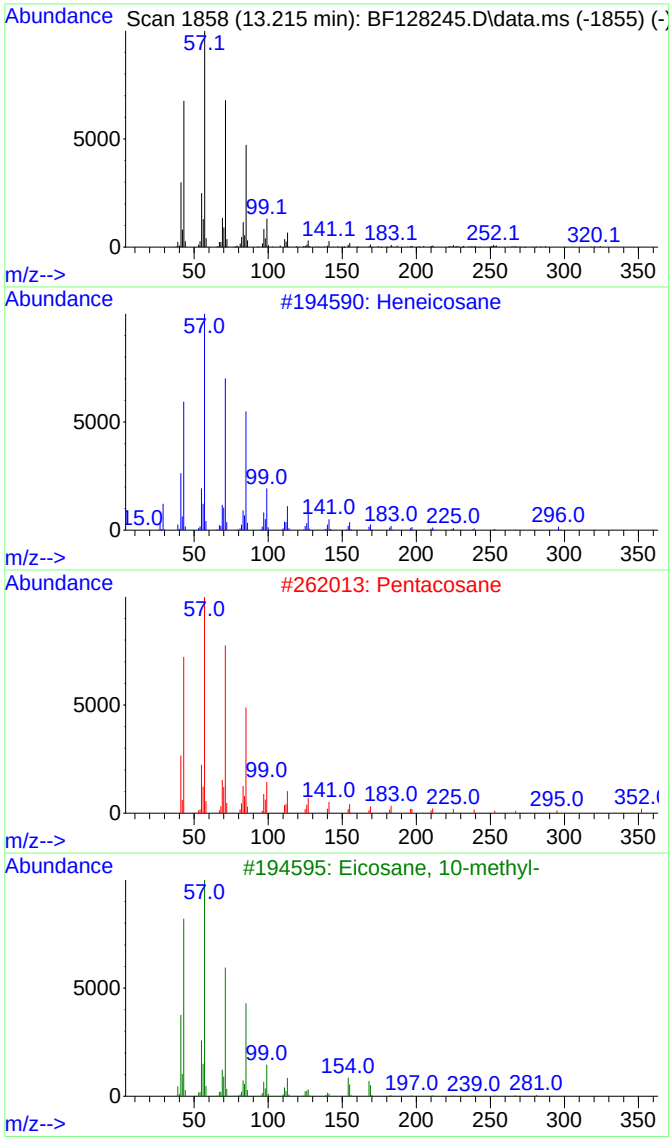
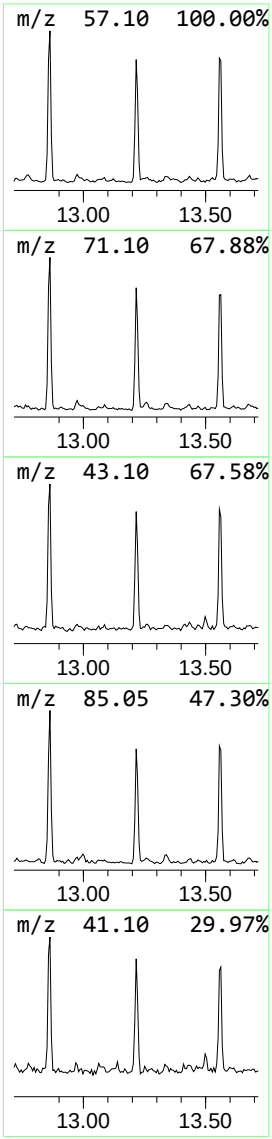
Peak Number 11 Heneicosane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.216 | 7.60 ng | 253291 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 2 | Pentacosane | 352 | C25H52 | 000629-99-2 | 90 |
| 3 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 87 |
| 4 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 87 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 80 |



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Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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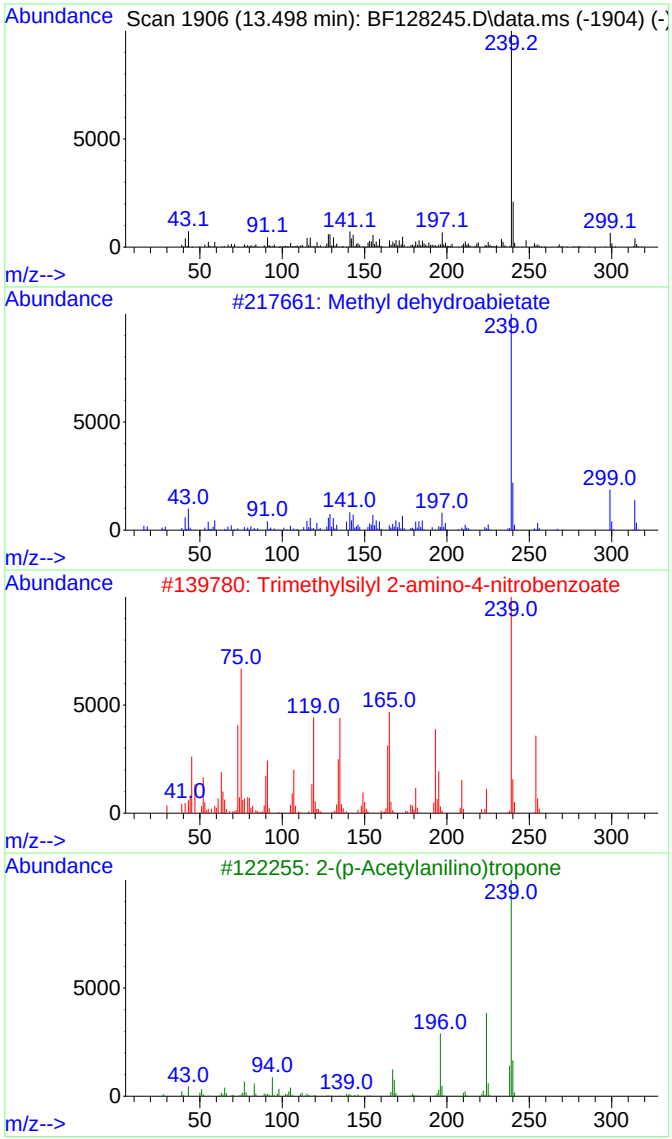
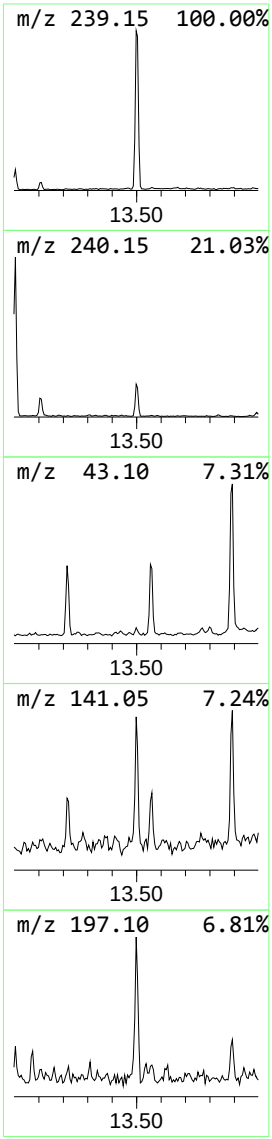
Peak Number 12 Methyl dehydroabietate Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.498 | 5.83 ng | 194105 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl dehydroabietate | 314 | C21H30O2 | 001235-74-1 | 97 |
| 2 | Trimethylsilyl 2-amino-4-nitrobe... | 254 | C10H14N2O4Si | 1000473-63-5 | 92 |
| 3 | 2-(p-Acetylanilino)tropone | 239 | C15H13NO2 | 1000241-52-9 | 59 |
| 4 | Phthalic acid, 4-methoxyphenyl 3... | 362 | C22H18O5 | 1000315-68-0 | 59 |
| 5 | Indole, 3-imidazolo[2,1-b]thiazo... | 239 | C13H9N3S | 292855-05-1 | 59 |



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Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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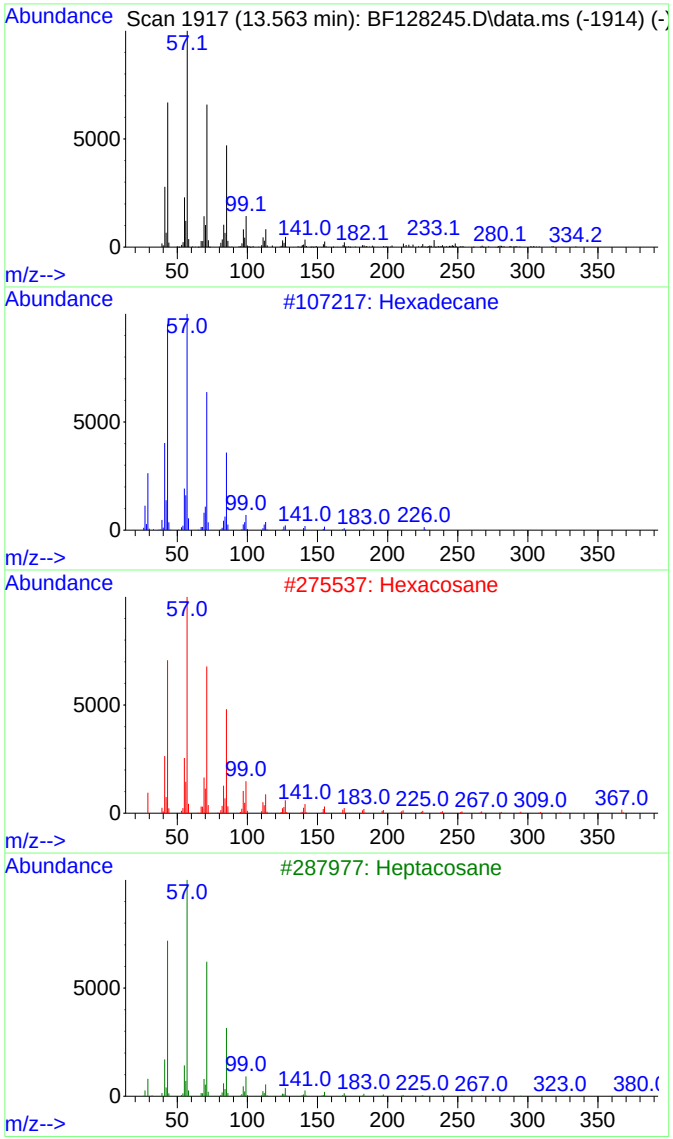
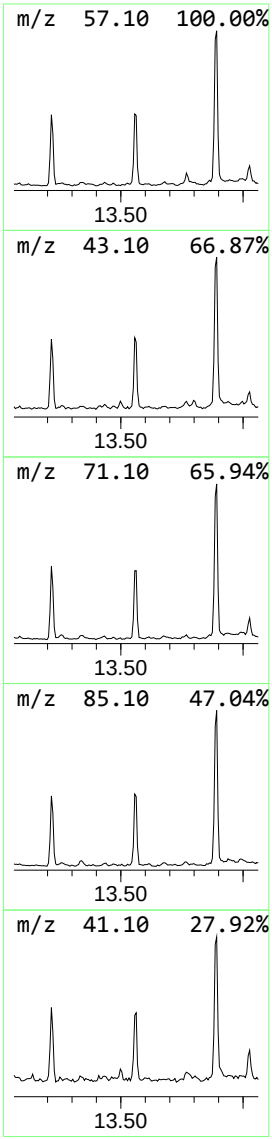
Peak Number 13 Hexacosane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.563 | 8.87 ng | 295482 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |



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Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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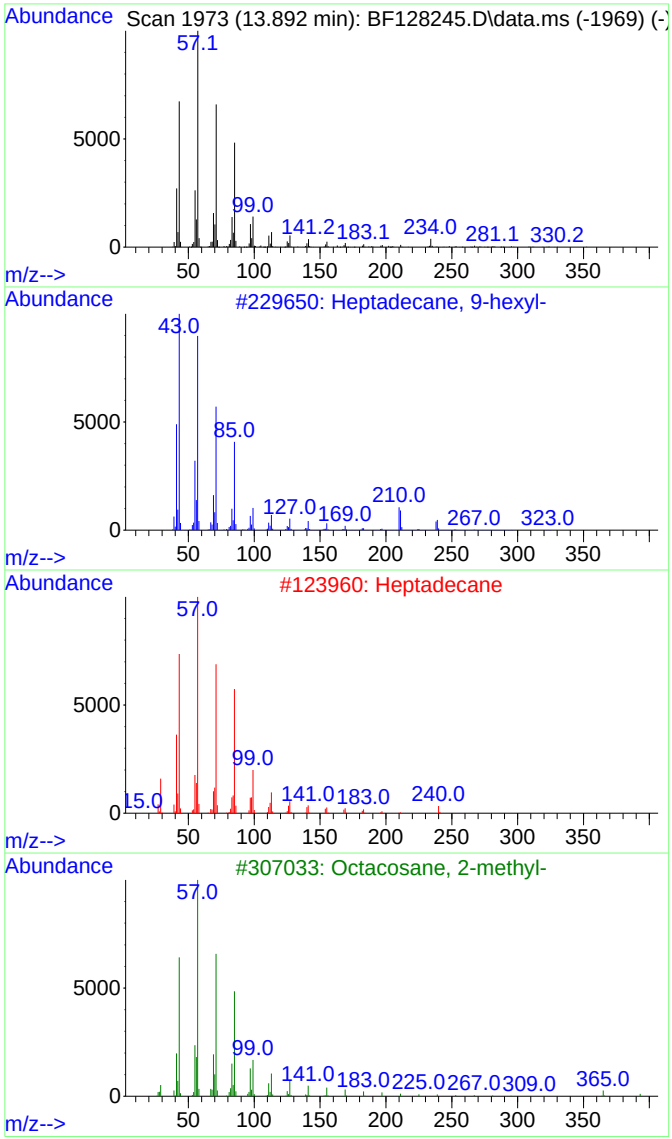
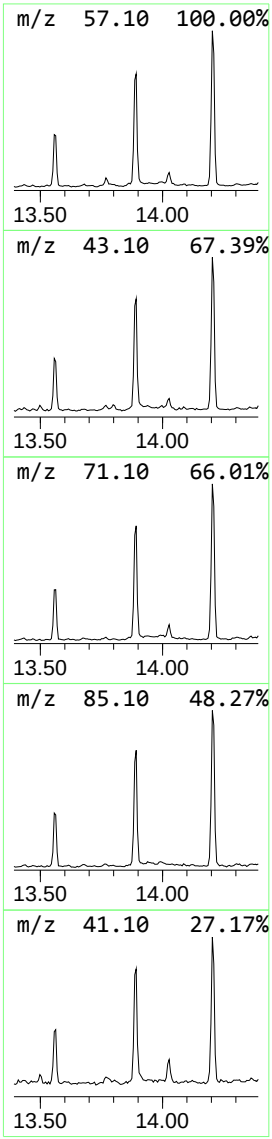
Peak Number 14 Heptadecane, 9-hexyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.892 | 21.57 ng | 718737 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-hexyl- | 324 | C23H48 | 055124-79-3 | 94 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 93 |
| 3 | Octacosane, 2-methyl- | 408 | C29H60 | 001560-98-1 | 91 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |



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Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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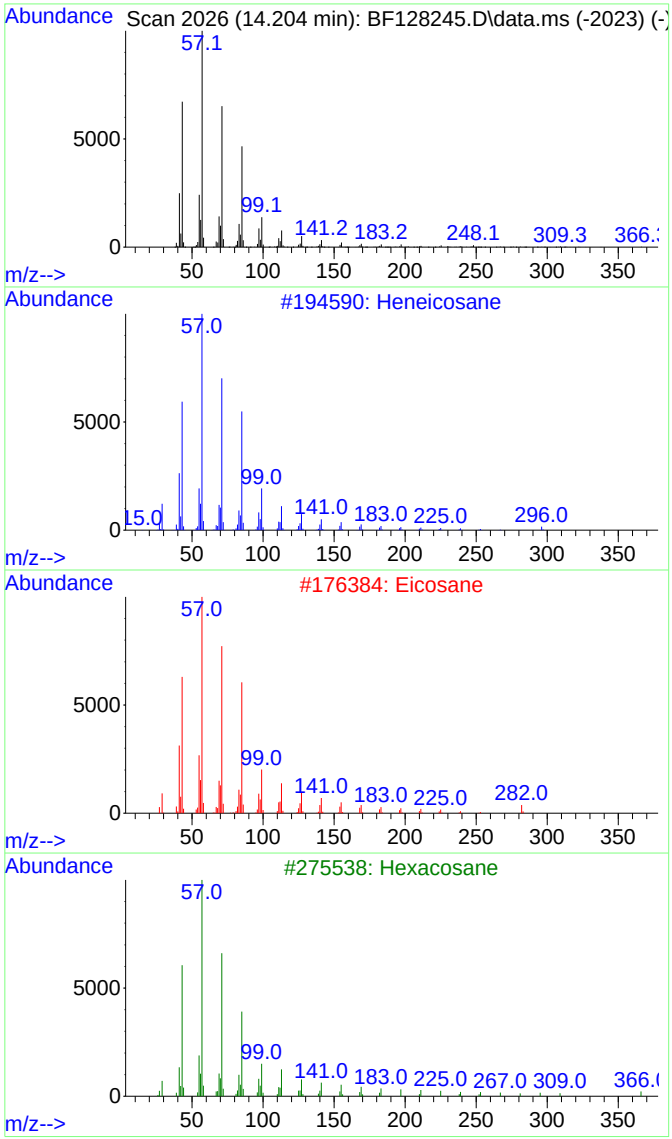
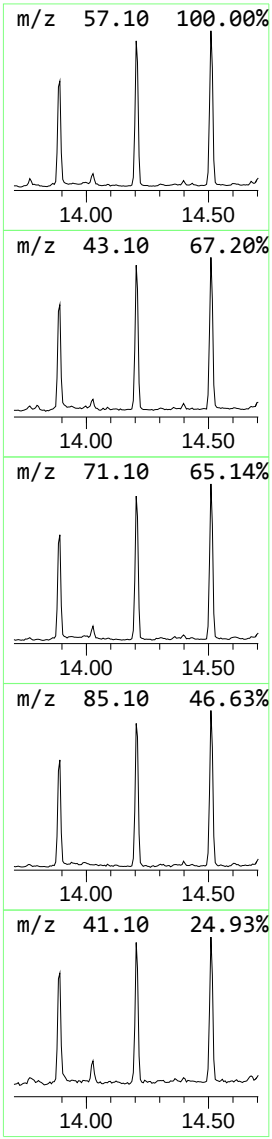
Peak Number 15 Eicosane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.204 | 24.95 ng | 831127 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 96 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 95 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 94 |
| 4 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 94 |
| 5 | Docosane, 9-butyl- | 366 | C26H54 | 055282-14-9 | 94 |



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Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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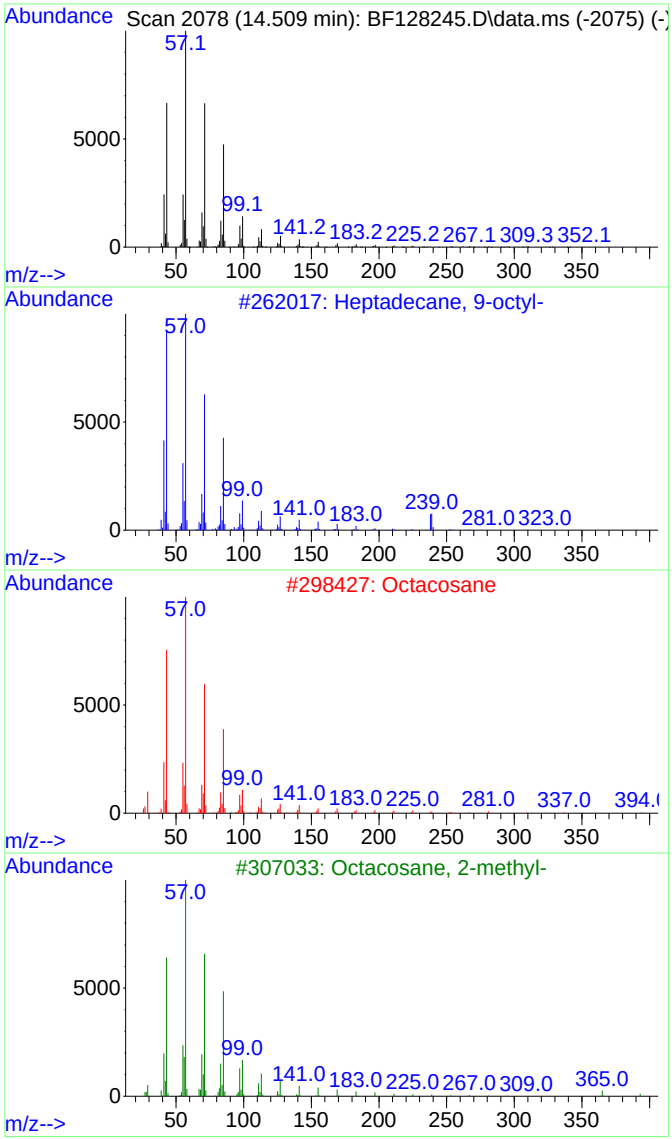
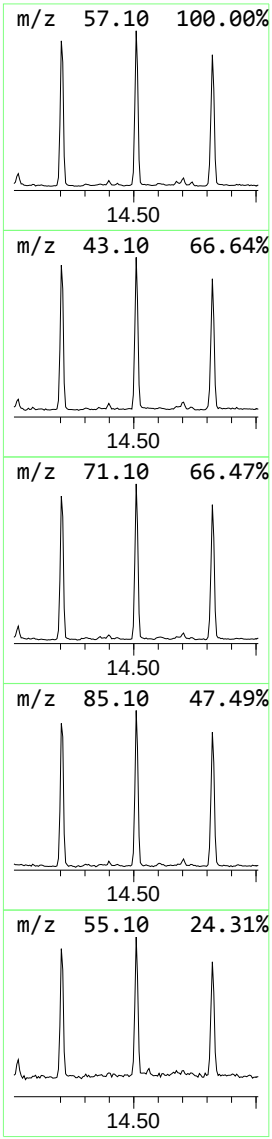
Peak Number 16 Heptadecane, 9-octyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.509 | 24.55 ng | 817864 | Chrysene-d12 | 14.063 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 94 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 3 | Octacosane, 2-methyl- | 408 | C29H60 | 001560-98-1 | 91 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 5 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 90 |



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Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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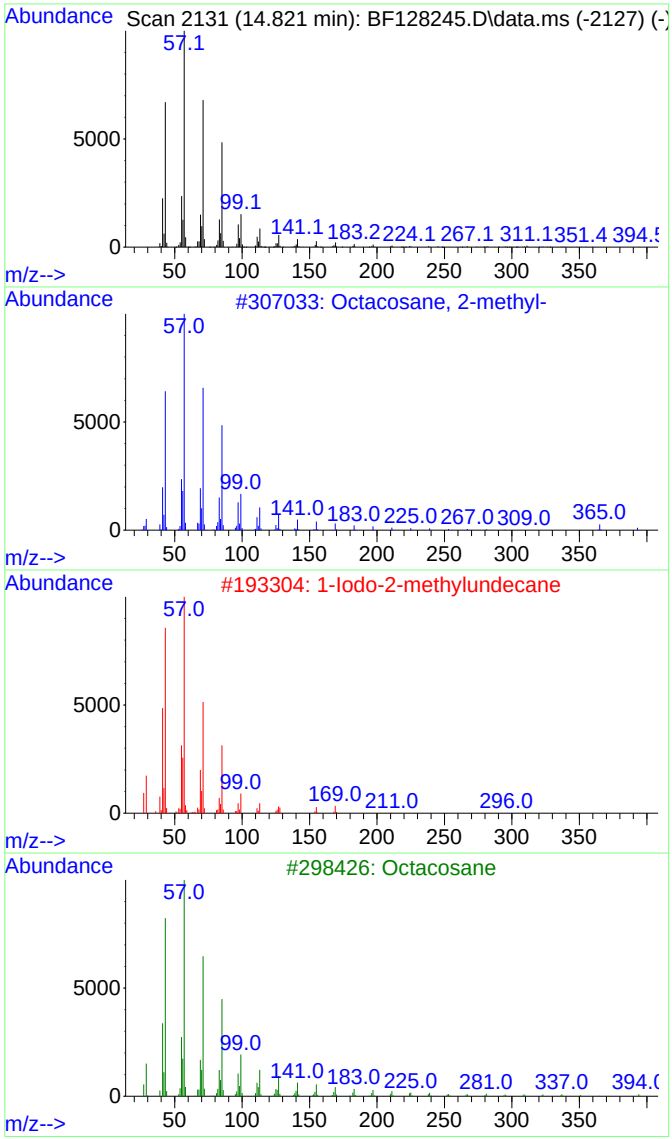
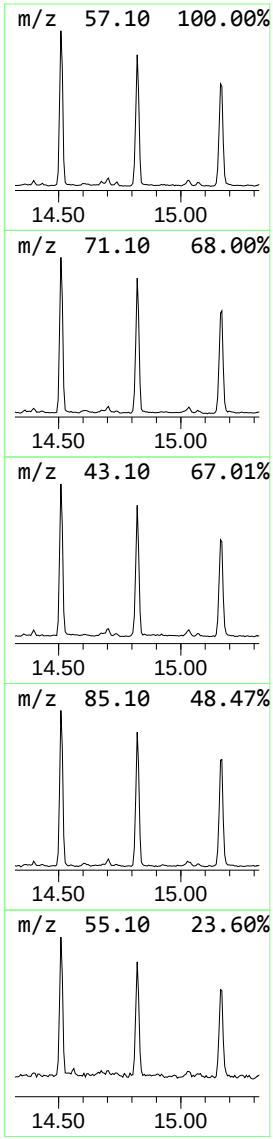
Peak Number 17 Octacosane, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.821 | 16.69 ng | 791878 | Perylene-d12 | 15.557 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane, 2-methyl- | 408 | C29H60 | 001560-98-1 | 91 |
| 2 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 91 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 4 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |



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Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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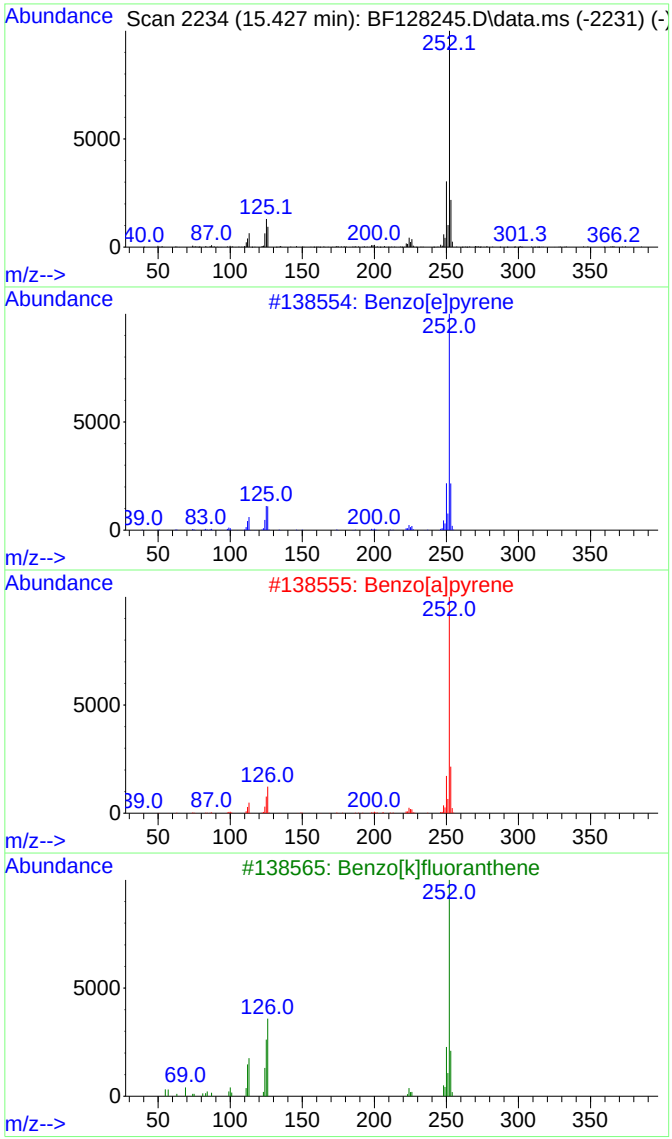
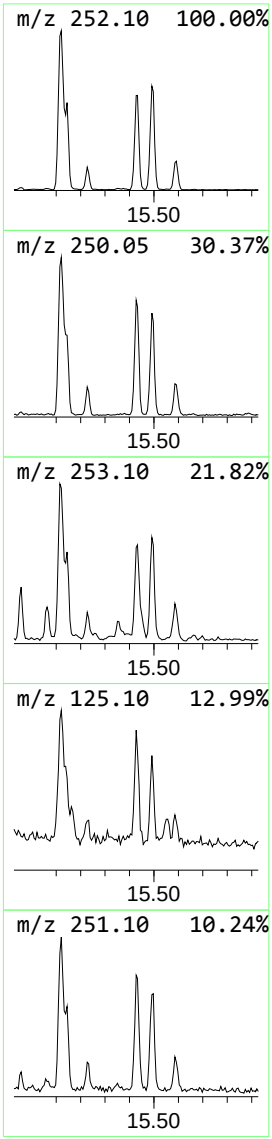
Peak Number 18 Benzo[e]pyrene Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.427 | 6.42 ng | 304500 | Perylene-d12 | 15.557 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 96 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 91 |
| 4 | Benzo[b]fluoranthene | 252 | C20H12 | 000205-99-2 | 90 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

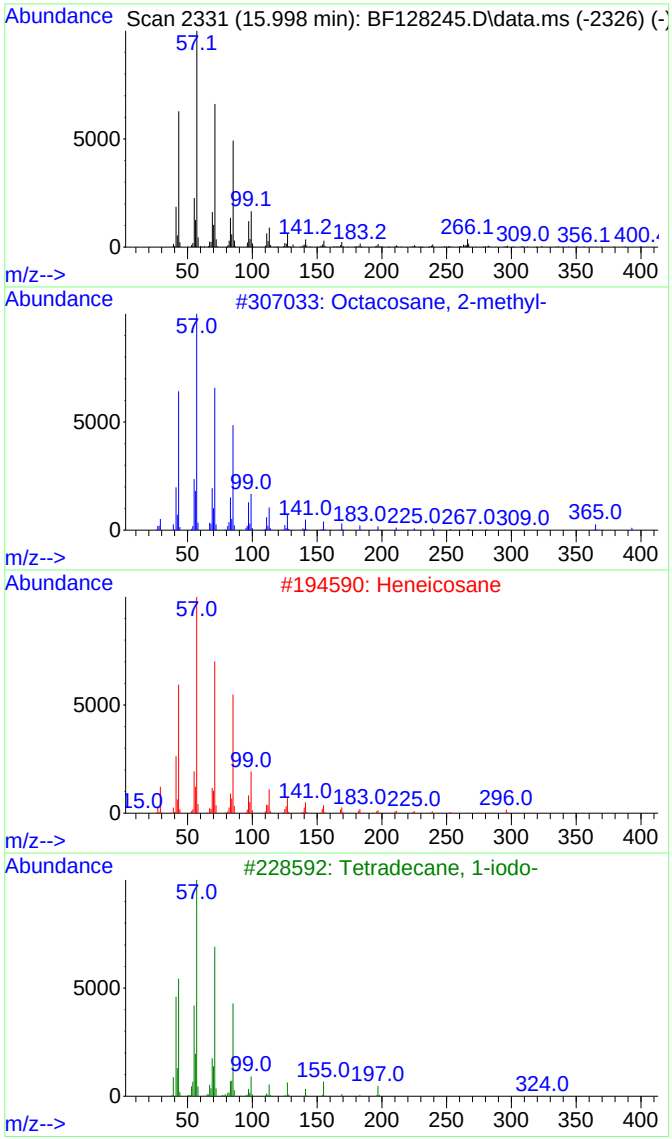
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

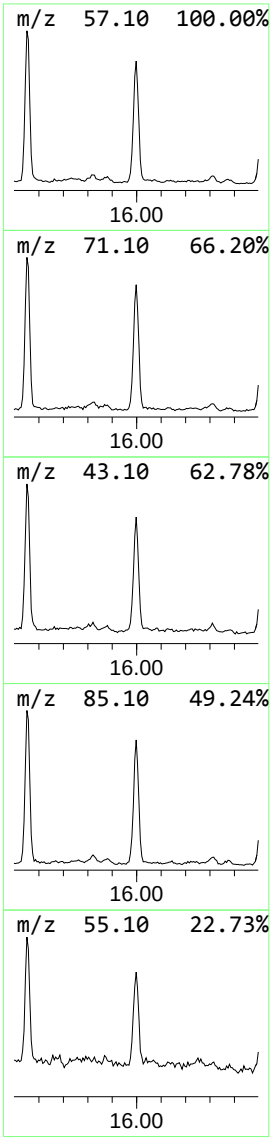
**********

Peak Number 19 Tetradecane, 1-iodo- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.998 | 10.96 ng | 520025 | Perylene-d12 | 15.557 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane, 2-methyl- | 408 | C29H60 | 001560-98-1 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 3 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 87 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

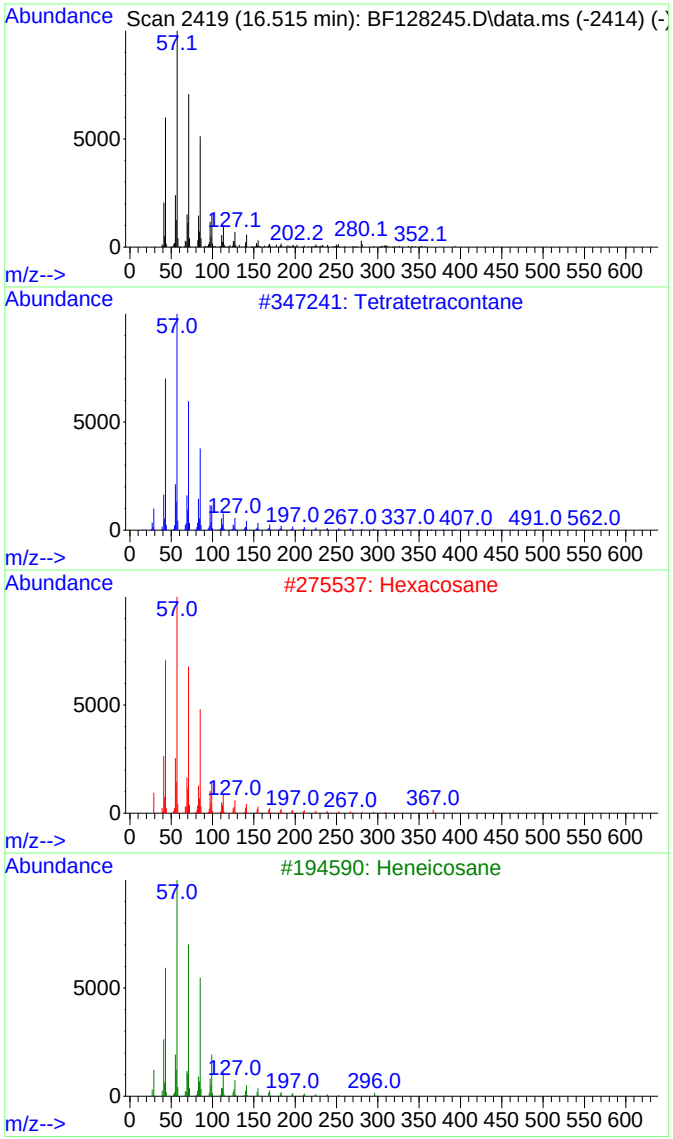
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

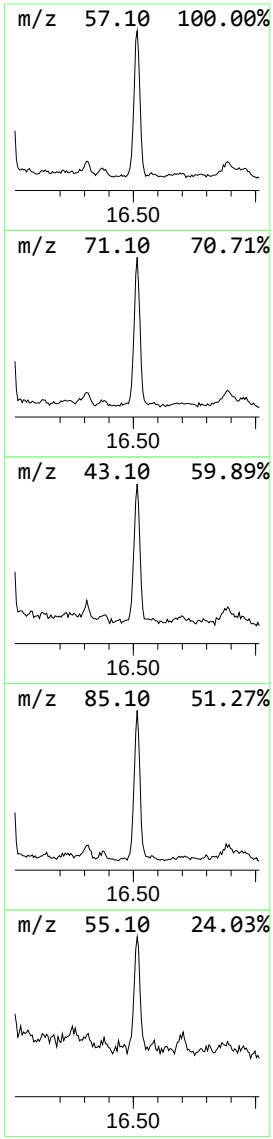
**********

Peak Number 20 Tetratetracontane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.515 | 8.27 ng | 392451 | Perylene-d12 | 15.557 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 90 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
Data File : BF128245.D
Acq On : 13 May 2022 18:11
Operator : CG\JU
Sample : N2823-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SC-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Ethanol, 2-butoxy- | 5.834 | 24.0 | ng | 482060 | 1 | 6.886 | 401716 | 20.0 |
| 2-Propanol, 1-(... | 6.686 | 13.1 | ng | 263028 | 1 | 6.886 | 401716 | 20.0 |
| Ethane, 1-ethox... | 6.716 | 16.2 | ng | 324970 | 1 | 6.886 | 401716 | 20.0 |
| 2-Pyrrolidinone... | 7.045 | 28.1 | ng | 564536 | 1 | 6.886 | 401716 | 20.0 |
| Ethanol, 2-(2-b... | 8.063 | 7.8 | ng | 199081 | 2 | 8.169 | 507616 | 20.0 |
| Pentadecane | 9.839 | 6.2 | ng | 169965 | 3 | 9.922 | 549222 | 20.0 |
| Hexadecane | 10.339 | 8.5 | ng | 233840 | 3 | 9.922 | 549222 | 20.0 |
| Dibenzofuran, 4... | 10.627 | 6.6 | ng | 180998 | 3 | 9.922 | 549222 | 20.0 |
| Dibenzothiophen... | 12.792 | 4.6 | ng | 154336 | 5 | 14.063 | 666311 | 20.0 |
| Retene | 13.139 | 16.1 | ng | 537174 | 5 | 14.063 | 666311 | 20.0 |
| Heneicosane | 13.216 | 7.6 | ng | 253291 | 5 | 14.063 | 666311 | 20.0 |
| Methyl dehydroa... | 13.498 | 5.8 | ng | 194105 | 5 | 14.063 | 666311 | 20.0 |
| Hexacosane | 13.563 | 8.9 | ng | 295482 | 5 | 14.063 | 666311 | 20.0 |
| Heptadecane, 9-... | 13.892 | 21.6 | ng | 718737 | 5 | 14.063 | 666311 | 20.0 |
| Eicosane | 14.204 | 24.9 | ng | 831127 | 5 | 14.063 | 666311 | 20.0 |
| Heptadecane, 9-... | 14.509 | 24.6 | ng | 817864 | 5 | 14.063 | 666311 | 20.0 |
| Octacosane, 2-m... | 14.821 | 16.7 | ng | 791878 | 6 | 15.557 | 948902 | 20.0 |
| Benzo[e]pyrene | 15.427 | 6.4 | ng | 304500 | 6 | 15.557 | 948902 | 20.0 |
| Tetradecane, 1-... | 15.998 | 11.0 | ng | 520025 | 6 | 15.557 | 948902 | 20.0 |
| Tetratetracontane | 16.515 | 8.3 | ng | 392451 | 6 | 15.557 | 948902 | 20.0 |